DAILY AIR MONITORING AND SITE ACTIVITIES
FIELD SUMMARY REPORT FOR DECEMBER 17, 2013

1.0 Introduction

The Barth Smelting Corp. Site (the Site) includes the historic footprint of the former Barth Smelting Corporation (located at 99 Chapel Street) and the extent of contamination adjacent to the former facility, including a playground and grassy area adjacent to the Community Building on the Newark Housing Authority (NHA) Terrell Homes property (located at 59-97 Chapel Street). The Site is located in a mixed residential/industrial neighborhood within the Ironbound Section of Newark, New Jersey, adjacent to the Passaic River. The Ironbound Section of Newark is historically an industrialized neighborhood. Previous assessments conducted in March, April and May of 2013, by the U.S. Environmental Protection Agency (EPA) investigated surface and subsurface soil throughout both properties. Each investigation indicated the presence of lead that exceeds the New Jersey Department of Environmental Protection's (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC) of 400 milligrams per kilogram (mg/kg).

EPA, with support from their contractors, Emergency and Rapid Responses Services (ERRS) and the Removal Support Team 2 (RST 2), initiated a Removal Action at the Site on December 3, 2013. The Removal Action consists of the removal and disposal of contaminated soils, air monitoring during intrusive activities, and placing a clean soil cap over the excavated area.

The following daily air monitoring summary report summarizes air monitoring for particulates and air sampling for lead during the Removal Action activities conducted on **Tuesday, December 17, 2013.**

2.0 Daily Site Information

2.1 Summary of On-Site Activities:

RST 2 did not conduct air monitoring activities on site due to light snow conditions. ERRS is scheduled to continue excavating contaminated soil, loading out stockpiled material and backfilling with cleanfill.

2.2 Air Sampling/Monitoring Methodology:

In order to assess for potential migration of lead particulates from the Site, RST 2 established four air stations located near occupied residences adjacent to the work area. Each of the established air stations were equipped with a DustTrak™ 8530 particulate monitor and an air sampling unit. Air samples were collected for total lead analysis using a 37 millimeter (mm), 0.8 micrometer (µm) MCEF cassette attached to a Gilian Gilair sampling pump. A minimum flow rate of approximately 2 liters per minute (L/min) was used for each sample collected for total lead analysis. All air monitoring and sampling activities were conducted in accordance with the Site-Specific Community Air Monitoring Plan (CAMP). Sample management was performed using EPA's SCRIBE software. Air monitoring results will be compared to the Site-Specific Action Level for particulates of 0.15 milligrams per cubic meter (mg/m^3). Air sampling results will be compared to the site-specific action level for lead in dust of 0.15 micrograms per cubic meter ($\mu g/m^3$) to determine if lead is present in any fugitive dust generated as a result of site operations.

Table 1: Weather Conditions

Time	Temp (F)	Dew Point (F)	Humidity (%)	Wind Speed (mph)	Direction	Precipitation Events
9:00	27	21.9	81	6	ENE	Light Snow
14:00	30	28.4	93	9	N	Light Snow

3.0 Air Monitoring Summary

Figure 1: Air Stations Map

This map is subject to Google's Terms of Service, and Google is the owner of rights therein.

Table 2: Air Station Information Table

Station No.	Upwind/ Downwind	Date	Start Time	Stop Time	Monitoring Equipment
01	NA	12/17/13	NA	NA	DustTrak 8530
02	NA	12/17/13	NA	NA	DustTrak 8530
03	NA	12/17/13	NA	NA	DustTrak 8530
04	NA	12/17/13	NA	NA	DustTrak 8530

4.0 Particulate Monitoring and Air Sampling Summary Results

No particulate monitoring or sampling was conducted on Tuesday, December 17, 2013 due to light snow precipitating on Site.